

AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

Listing of Claims:

1. (Previously presented) A method for detecting an object in a door opening of a vehicle, where a vehicle reaction is triggered when a received signal deviates from a setpoint value in a sensor system, and, when the door is closed, an updated setpoint value is determined after the vehicle drives off.
2. (Currently amended) The method as claimed in claim 1, wherein the vehicle reaction is triggered ~~in a time period~~ between closing of the door and an end of a predetermined time period ~~which is selected in a customer-specific fashion~~ and which starts when the vehicle drives off after the door closes.
3. (Currently amended) The method as claimed in claim 1, in which, when a sensor system is configured for learning, continuously changing the power of a transmitter of the sensor system ~~is continuously changed by using~~ an evaluation unit ~~in a standardization process~~ until the received signal reaches a threshold ~~has a desired quality~~, the received signal serving as a setpoint value, wherein ~~after the door has been closed during a hold time~~, the sensor system is deactivated, after a hold time, for ~~at least a customer-specifically selected~~ predetermined time period after the vehicle drives off following the hold time, and re-activated ~~again after a short time to trigger a~~ determination of an updated setpoint value ~~in a new standardization process~~.
4. (Currently amended) The method as claimed in claim 1, wherein the signal is a wave which propagates in a cavity, and the cavity is located in an elastic section ~~which bounds~~ of a closing surface of the door opening.